

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

APR 13 2016

REPLY TO THE ATTENTION OF:

CERTIFIED MAIL 7009 1680 0000 7669 2021 RETURN RECEIPT REQUESTED

Mr. Roy G. Elamana
Executive Vice President
Circuit Engineering, LLC
1390 Lunt Avenue
Elk Grove Village, Illinois 60007

Re: Notice of Violation Compliance Evaluation Inspection ILD 074 367 251

Dear Mr. Elamana:

On July 17, 2015 a representative of the U.S. Environmental Protection Agency inspected the Circuit Engineering, LLC (Circuit) facility located in Elk Grove Village, Illinois. As a large quantity generator of hazardous waste, Circuit is subject to the Resource Conservation and Recovery Act, 42 U.S.C. §§ 6901 et seq. (RCRA). The purpose of the inspection was to evaluate Circuit's compliance with certain provisions of RCRA and its implementing regulations related to the generation, treatment and storage of hazardous waste. A copy of the inspection report is enclosed for your reference.

Based on information provided by Circuit, EPA's review of records pertaining to Circuit, and the inspector's observations, EPA has determined that Circuit has unlawfully stored hazardous waste without a permit or interim status as a result of Circuit's failure to comply with certain conditions for a permit exemption under 35 Illinois Administrative Code (IAC) §§ 722.134(a)-(c) [see also 40 C.F.R. §§ 262.34(a)-(c)]. EPA has determined that, at the time of the inspection, Circuit was out of compliance with the following large quantity generator permit exemption conditions, as described in paragraphs 1-5, below. EPA has also determined that Circuit was not complying with a certain hazardous waste manifest reporting requirement, as described in paragraph 6, below.

STORAGE OF HAZARDOUS WASTE WITHOUT A PERMIT OR INTERIM STATUS

1. Date When Each Period of Accumulation Begins

Under 35 IAC § 722.134(a)(2) [see also 40 C.F.R. § 262.34(a)(2)], a large quantity generator must clearly mark each container holding hazardous waste with the date upon which each period of accumulation begins.

At the time of the inspection, Circuit was accumulating five containers of hazardous waste without the accumulation start dates.

2. <u>Hazardous Waste Container and Tank Labeling</u>

Under 35 IAC § 722.134(a)(3) [see also 40 C.F.R. § 262.34(a)(3)], a large quantity generator must label or clearly mark each container and tank holding hazardous waste with the words "Hazardous Waste."

At the time of the inspection, Circuit was accumulating hazardous waste in five containers and three hazardous waste storage tanks without the words "Hazardous Waste."

STORAGE OF HAZARDOUS WASTE WITHOUT A PERMIT OR INTERIM STATUS AND VIOLATIONS OF TSD REQUIREMENTS

Many of the conditions for a RCRA permit exemption are also independent requirements that apply to permitted and interim status hazardous waste management facilities that treat, store, or dispose of hazardous waste (TSD requirements). When a hazardous waste generator loses its permit exemption due to a failure to comply with an exemption condition incorporated from 35 IAC Part 725, the generator: (a) becomes an operator of a hazardous waste storage facility; and (b) simultaneously violates the corresponding TSD requirement. The exemption conditions identified in paragraphs 3-5 are also independent TSD requirements incorporated from 35 IAC Part 725. Accordingly, each failure by Circuit to comply with these conditions is also a violation of the corresponding requirement in 35 IAC Part 725 [see also 40 C.F.R. Part 265].

3. Hazardous Waste Storage Tank Requirements

Under 35 IAC §§ 722.134(a)(1)(ii) and 725.292 [see also 40 C.F.R. §§ 262.34(a)(1)(ii) and 265.192], a large quantity generator must obtain and keep on file at the facility a written Tank System Certification for each hazardous waste storage tank.

At the time of the inspection, Circuit did not have a written Certification available for three hazardous waste storage tanks for review to determine if the foundation, structural support, seams, connections, and pressure controls (if applicable) are adequately designed and that the tank system has sufficient structural strength, compatibility with the waste being stored or treated, and corrosion protection so that it will not collapse, rupture, or fail.

Under 35 IAC § 722.134(a)(1)(ii) and 35 IAC § 725.295 [see also 40 C.F.R. §§ 262.34(a)(1)(ii) and 265.195], a large quantity generator of hazardous waste must inspect

each tank system at least once each operating day and document the inspections in the operating record of the facility.

At the time of the inspection, Circuit was not maintaining records of daily tank system inspections.

4. Personnel Training

A large quantity generator of hazardous waste must have a program of classroom instruction or on-the-job training that teaches facility personnel to perform their duties in a way that ensures the facility's compliance with requirements of RCRA. This program must be directed by a person trained in hazardous waste management procedures, and must include instruction that teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed. See 35 IAC §§ 722.134(a)(4) and 725.116(a) [see also 40 C.F.R. §§ 262.34(a)(4) and 265.16(a)]. Facility personnel must successfully complete this training program within six months after the date of their employment or assignment to a facility or to a new position at a facility, and must take part in an annual review of this initial training thereafter. See 35 IAC §§ 722.134(a)(4) and 725.116(b) and (c) [see also 40 C.F.R. §§ 262.34(a)(4) and 265.16(b) and (c)].

With respect to this training program, a large quantity generator must maintain the following documents and records at its facility:

- 1) The job title for each position at the facility related to hazardous waste management and the name of the employee filling each job;
- 2) A written job description for each position at the facility related to hazardous waste management;
- 3) A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position at the facility related to hazardous waste management; and
- 4) Records that document that the training or job experience described above has been given to and completed by facility personnel. *See* 35 IAC §§ 722.134(a)(4) and 725.116(d) [see also 40 C.F.R. §§ 262.34(a)(4) and 265.16(d)].

At the time of the inspection, Circuit did not have a list of each position at the facility related to hazardous waste management and the name of the employee filling such positions.

At the time of the inspection, Circuit did not have a written description of the type and amount of introductory and continuing training given to employees with duties related to hazardous waste management.

At the time of the inspection, Circuit did not have training records for two facility employees (Mr. Jose Hernandez and Mr. Bhavesh Mehta) for years 2012-2015.

5. Container Requirements

Under 35 IAC §§ 722.134(a)(1)(i) and 725.274 [see also 40 C.F.R. §§ 262.34(a)(1)(i) and 265.174], a large quantity generator must inspect, at least weekly, areas where hazardous waste containers are stored. The owner or operator must look for leaking containers and deterioration of containers.

At the time of the inspection, Circuit was not inspecting the containers holding hazardous waste in the less than 90-day storage area.

By failing to comply with the conditions for a permit exemption, above, Circuit became an operator of a hazardous waste storage facility, and was required to obtain an Illinois hazardous waste storage permit. Circuit failed to apply for such a permit. Circuit's failure to apply for and obtain a hazardous waste storage permit violated the requirements of 35 IAC §§ 703.121(a) and (b), 703.180(c), and 705.121(a) [see also 40 C.F.R. §§ 270.1(c), and 270.10(a) and (d)]. Any failure to comply with a permit exemption condition incorporated from 35 IAC Part 725 [see also 40 C.F.R. Part 265] is also an independent violation of the corresponding TSD requirement.

At this time, EPA is not requiring Circuit to apply for an Illinois hazardous waste storage permit as long as it immediately establishes compliance with the conditions for a permit exemption outlined in paragraphs 1-5, above.

HAZARDOUS WASTE RECORDKEEPING AND REPORTING

Finally, EPA has also determined that Circuit violated a RCRA requirement related to recordkeeping and reporting, as described in paragraph 6, below.

6. Hazardous Waste Manifest Exception Reporting

Under 35 IAC § 722.142(a)(2), a large quantity generator that ships any hazardous waste off-site to a treatment, storage or disposal facility (TSDF) must submit an Exception Report to the Illinois Environmental Protection Agency if the generator does not receive a copy of the manifest with the handwritten signature of the owner or operator of the TSDF within 45 days of the date the waste was accepted by the initial transporter.

At the time of the inspection, Circuit did not have Exception Reports for seven hazardous waste manifests for waste shipped offsite during calendar year 2013 that did not have a copy of the manifest with the handwritten signature of the owner or operator of the TSDF.

According to Section 3008(a) of RCRA, EPA may still issue an order assessing a civil penalty for any past or current violation, requiring compliance immediately or within a specified time period, or both. Although this letter is not such an order or a request for information under Section 3007 of RCRA, 42 U.S.C. § 6927, we request that you submit a response in writing to us no later than 30 days after receipt of this letter documenting the actions, if any, you have taken since the inspection to establish compliance with the above exemption conditions described in paragraphs 1-5, and the recordkeeping and reporting requirement described in paragraph 6. You should submit your response to: Graciela Scambiatterra, of my staff, at: U.S. EPA, Region 5, 77 West Jackson Boulevard, LR-8J, Chicago, Illinois 60604.

If you have any questions regarding this letter, please contact Ms. Scambiatterra at 312-353-5103 or at scambiatterra.graciela@epa.gov.

Sincerely,

Gary J. Victorine, Chief

RCRA Branch

Enclosure

cc:

Todd Marvel, Illinois Environmental Protection Agency (todd.marvel@illinois.gov)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY **REGION 5**

LAND AND CHEMICALS DIVISION, RCRA BRANCH 77 W. JACKSON BOULEVARD CHICAGO, IL 60604

COMPLIANCE EVALUATION INSPECTION REPORT

INSTALLATION NAME: Circuit Engineering, LLC

EPA ID No.:

ILD 074 367 251

LOCATION ADDRESS:

1390 Lunt Avenue

Elk Grove Village, Illinois 60007

NAICS CODE(s):

332813 [Electroplating, Plating, Polishing, Anodizing, and

Coloring]

DATE OF INSPECTION: July 17, 2015

U.S. EPA INSPECTOR(s): Graciela Scambiatterra

PREPARED BY:

Graciela Scambiatterra

Environmental Scientist

APPROVED BY:

Michael Cunningham, Chief

Compliance Section 1

RCRA Branch

Land and Chemicals Division

10/22/15 Date

RCRA Compliance Evaluation Inspection

Introduction

I, Graciela Scambiatterra, Environmental Scientist, from the United States Environmental Protection Agency (EPA) conducted a hazardous waste compliance evaluation inspection (CEI) at Circuit Engineering, LLC (Circuit), located at 1390 Lunt Avenue, Elk Grove Village. The Purpose of the CEI was to evaluate Circuit's compliance with certain provisions of the Resource Conservation and Recovery Act (RCRA), specifically, those regulations related to the management and disposal of hazardous waste.

Photographs (photos) taken during the inspection are included in Attachment 1.

History and Interview

I arrived at Circuit on July 17, 2015 at approximately 9:00 a.m., identified myself and provided my credentials to Roy G. Elamana, Executive Vice President. He escorted me to the office area where I conducted the opening interview. The following individuals were present during the CEI:

NAME	TITLE	EMPLOYER
Gracie Scambiatterra	Environmental Scientist	U.S. EPA
Roy G. Elamana	Executive Vice President	Circuit
Dileep Thomas	Quality Assurance & Operations Manager	Circuit

Once we were in the office area, I held an opening conference with Mr. Elamana and Mr. Thomas. I explained to them my purpose for being at the facility; and that I would be performing a records review and a physical site inspection of the facility, including taking photographs. Our discussion included confidential business information (CBI). I informed them that if they or any other Circuit employees were going to disclose CBI, I should be informed immediately in order for me to handle that material and/or information in accordance with EPA policy. I informed the Circuit representatives that I would be reviewing the following records:

- 1. RCRA training records from January 2013 until the present.
- 2. Hazardous Waste Annual Reports for years 2012 2014.
- 3. Hazardous Waste Manifests for waste sent offsite from January 2013 until the present.
- 4. RCRA Contingency Plan.
- 5. Tank Assessment for each Hazardous Waste Storage Tank.
- 6. Daily tank inspections for each Hazardous Waste Storage from January 2013 until the present.
- 7. Weekly container inspections for the less than 90-day storage area from January 2013 until the present.

Mr. Elamana provided a brief history of the facility. Circuit has been operating at this location since approximately October 2006 when they purchased the facility from the previous owner, QMA, Inc. Circuit has approximately 35 employees at this location and operates one shift daily, Monday through Friday.

Circuit manufactures circuit boards involving plating as part of the process. Copper and tin plating, as well as etching, are some of the processes involved in making the circuit boards. Raw materials are purchased and brought into the facility.

When Circuit purchased the facility from QMA, Inc., they removed the pre-treatment tanks from the onsite waste water treatment system (WWTS). Now, Circuit only uses this area, called the "holding tank area," for collecting corrosive plating bath rinse waste in a holding tank before it is pumped to one of two Hazardous Waste Storage Tanks.

According to Mr. Elamana, Circuit was undergoing an upgrade of their facility. The facility was changing from manual plating equipment to a fully automated system.

According to the RCRAInfo database, Circuit has provided notifications that it has been operating as a large quantity generator (LQG) of hazardous waste since on or about March 1, 2008.

I provided the Small Business Resources Guide to Mr. Elamana.

I explained to Mr. Elamana and Mr. Thomas that I would be conducting the physical site inspection portion first, followed by the records review.

Site Inspection

The Circuit site inspection began at approximately 10:20 a.m. I was escorted by Mr. Thomas. I asked Mr. Thomas to take me through the facility according to the processing of the circuit boards, from start to finish.

Engineering Department/Office Area:

Our first stop was the Engineering Department. This area is where information from each customer is received, processed and a custom job is created. Circuit utilizes computer-aided manufacturing (CAM) software. Once a custom job has been created, it is sent to the drilling department for processing.

Drilling Department:

Drilling receives the custom job and panels, used for the circuit boards, are brought here from the materials storage area. The physical process of creating the circuit boards starts here. The panels are drilled according to each job specification.

Plating Area (1st Copper line):

Once the panels have been drilled, they are brought to the plating area and undergo copper plating in Copper Line #1. This line contains several plating, rinse, and two acidic baths.

Artwork/Graphic Art/Imaging:

We continued our walk through the facility and arrived at the Artwork/Graphic Art/Imaging area. Once the newly plated panel arrives here, a laminate is applied, then a photographic film. The photographic film consists of the specific artwork for that particular custom job.

Developing Room:

The next process involves image developing. Some panels come here, and others undergo Liquid Photo Image (LPI) processing (see below). The panels are processed through a machine containing a developing solution. A 55-gallon container of developer solution waste was being accumulated in the area (*see* photo 1). I asked to see the developer solution Circuit was using and Mr. Thomas showed me the container of material (*see* photo #2 of the developer solution label).

Liquid Photo Image (LPI):

This area also utilizes the developer solution in their imaging process. Mr. Thomas informed me that the waste generated from the developing process gets discharged to the local Metropolitan Water Reclamation District of Greater Chicago (MWRDGC).

Plating Area (2nd Copper Line):

Our inspection of the facility continued into the plating area, Copper Line #2. Mr. Thomas informed me that only panels from the Developing Room come to be plated here. Additional plating and copper is applied here to expose more of the copper. Tin plating is used to protect the copper. This line also contains several plating, rinse, and acidic baths. The panels that undergo LPI are not plated in Copper Line #2.

Etching/Stripping Line:

A copper (alkaline) etchant and tin (acidic) stripper are used here on the panels.

Scrubbing Area:

This area involves physical scrubbing of the panels with a copper scrubbing mixture.

Screening Area:

The Screening Area uses a solvent on the panels.

Solder Area:

The next area we inspected was the Solder Area. Here, panels are put through a pre-clean machine, flux is then added and then the panel is put through a solder machine at 500°F. Afterwards, the panel is soaked in water for cleaning. The panels are coated with another solvent layer in the Screening Area prior to the Final Bake.

Final Bake:

The panels arrive here and are baked in an oven at 350°F.

Final Fabrication:

The Final Fabrication area, consisting of four machines, is where the finished panels, or circuit boards, are cut to size.

Electrical Test Area:

This area is for Quality Assurance/Quality Check (QA/QC) of the circuit boards.

Final Inspection Area:

Here, final inspection of the circuit boards consists of looking for slight imperfections.

Shipping Area:

Packaging of the final product and shipping to the customer.

Holding Tank Area:

Mr. Thomas escorted me to the Holding Tank Area (*see* photos 3-4). The holding tank area consists of a holding tank that accumulates corrosive plating bath rinse waste (*see* photo 5) and a discharge area for waste discharge to the MWRDGC (*see* photo 6). I noted the area had a sign that read "Satellite Waste Holding Tank." Mr. Thomas informed me that the holding tank (plating rinse waste) was cylinder in shape and he believed it measured three feet deep and three feet in diameter. I noted this tank was full. I asked Mr. Thomas if Circuit had a tank assessment for the holding tank and he replied that to his knowledge, there was not one for the tank.

Hazardous Waste Storage Tank Area:

The Hazardous Waste Storage Tank Area was near the Holding Tank Area. I observed two tanks. The first was labeled "Satellite Waste Holding Tank" (see photo 7). The second tank was not labeled (see photos 8-9). Both tanks were full. I asked about tank assessments for both tanks and I was informed that Circuit had not obtained one for each tank. Mr. Thomas and Gibson Thorakkal, Circuit employees, informed me that the tank valve had been manually turned off since both tanks were full. Once the tanks reach full capacity, plating rinse waste from the Holding Tank Area will be placed in 55-gallon containers for storage. I noted five 55-gallon containers with the corrosive plating rinse waste (see photos 10-11). None of these containers had any labeling or markings and were not dated with an accumulation start date. Additional empty 55-gallon containers were in the area that are designated to be filled with the corrosive plating waste until such time that the Hazardous Waste Storage Tanks can be emptied and sent offsite for disposal.

I concluded the physical site inspection at approximately 11:35 a.m., at which time Mr. Thomas escorted me back to the office area so I could conduct the records review.

Mr. Elamana needed some time to gather the records I requested, therefore, we took a lunch break from 12:00 p.m. – 12:45 p.m.

Records Review

I began the record review at approximately 1:00 p.m.

Training

I asked Mr. Thomas and Mr. Elamana for job titles, job duties and descriptions for facility personnel with hazardous waste duties. They replied they did not have any. They also could not provide a syllabus for the training content below, nor a written training plan on the type and amount of training given to facility personnel.

Mr. Thomas began employment on 3/2/15. According to the "Training Details and Needs" document he provided for my review, Mr. Thomas had not received hazardous waste training.

Mr. Thomas provided for my review a document titled "3-year – Training Record." I noted it contained the following:

- Mr. Gibson Thorakkal:
 - o Hazardous Material Handling and August 2012 Emergency Response Plan awareness: 5/6/12, given by Bhavesh Mehta.
 - o Hazardous Material Handling and August 2013 Emergency Response Plan awareness: 4/26/13, given by Bhavesh Mehta.

- Hazardous Material Handling and Emergency Response Plan awareness: 5/3/14, given by Bhavesh Mehta.
- o Hazardous Material Handling and August 2012 Emergency Response Plan awareness: 3/10/15, given by Bhavesh Mehta.
- Jose Hernandez: Training included performance of the new process for CTS jobs (6/10/11). No other training was found in folder "Training Details and Training Plan" for Mr. Hernandez. I pointed this out to Mr. Elamana and Mr. Thomas and they replied that they had no other training records for Mr. Hernandez.

I asked to see Bhavesh Mehta's training records since he had been providing training for Circuit's employees. According to Mr. Elamana, Mr. Mehta had left the company about a year ago and Circuit did not have any training records for Mr. Mehta. I was also informed that Mr. Mehta did not have a training syllabus and had provided training without it. I noticed that the most recent training provided for Mr. Thorakkal on 3/10/15 (see above) was given by Mr. Mehta, even though he wasn't an employee of Circuit. I was informed that even though Mr. Mehta had not been officially employed by Circuit at that time, he had returned to the facility to provide this training.

Manifests/LDRs

Mr. Elamana provided me, for my review, hazardous waste manifest from December 2013 until the date of the inspection. I asked about the remaining hazardous waste manifests for calendar year 2013 and Mr. Elamana informed me that he did not have them at the facility, but would provide them electronically in the near future. I reviewed the following:

Hazardous Waste Manifests						
Manifest Number	Waste Code(s)	Quantity (gallons)	Date	TSDF Signature?/ Signatory		
014457226 JJK	D002	4550	7/6/15	Yes/Thomas		
014456465 JJK	D002	4706	6/18/15	Yes/Thorakkal		
014456038 JJK	D002	3350	6/1/15	No/Thorakkal		
014455593 JJK	D002	4250	5/6/15	Yes/Thomas		
013434355 JJK	D002	4565	4/20/15	Yes/Thorakkal		
013303943 JJK	D002	5550	3/30/15	Yes/Elamana		
013432868 JJK	D002	4565	3/23/15	Yes/Thorakkal		
013303691 JJK	D002	1795	3/17/15	Yes/Thomas		
013303617 JJK	D002	4565	3/12/15	Yes/Thorakkal		
013432552 JJK	D002	4565	2/4/15	Yes/Mehta		
013303246 JJK	D002	4075	1/19/15	Yes/Thorakkal		
013433814 JJK	D002	4680	11/13/14	Yes/Mehta		
012081841 JJK	D002	4400	10/29/14	Yes/Jose Hernandez		
013434850 JJK	D002	3650	10/1/14	Yes/Thorakkal		
013259076 JJK	D002, F006	605, 5 yd. bags	8/18/14	Yes/Thorakkal		

013258794 JJK	D002	5100	7/31/14	Yes/Thorakkal
012038585 JJK	D002	3575	12/10/13	Yes/Mehta

The Treatment, Storage and Disposal Facility (TSDF), where all of the above hazardous waste was sent, is Envirite of Illinois (ILD000666206).

Contingency Plan

Mr. Elamana informed me that there had been a fire at the facility during February 2014. The plating lines were not operational until January 2015. According to Mr. Elamana, all hazardous waste that was generated between February 2014 and January 2015 was from cleaning and power washing of the facility.

Mr. Elamana provided me with Circuit's contingency plan for my review. I noted it contained the following:

- The plan was titled "Emergency Response and Spill Control Plan" and dated August 2009.
- Emergency Coordinator: Sue Pontanini, Sales Vice President. Phone (cell) number.
- Alternate Emergency Coordinator: Jomi Jacob, Q.C. Manager. Phone (cell) number.
- An Evacuation Plan.
- A floor plan with a map of emergency equipment.

Annual Reports

I asked Mr. Thomas and Mr. Elamana for the Hazardous Waste Annual Reports for years 2014, 2013 and 2012. None of the reports were available for my review at the time of the inspection. Mr. Elamana informed me he would provide them to me electronically in the near future.

Inspection Reports

I asked to review the daily inspections of the Hazardous Waste Storage Tanks and the inspections for the weekly less than 90-day containers for years 2015, 2014 and 2013. Mr. Thomas and Mr. Elamana informed me that written daily inspections of the Hazardous Waste Storage Tanks were not being conducted, nor were the weekly inspection for the less than 90-day containers.

Tank Assessments

During the physical site inspection I had asked Mr. Thomas about RCRA tank assessments for the three tanks being used as Hazardous Waste Storage Tanks at the facility. I asked Mr. Elamana during the records review and he replied the same as

Mr. Thomas. To his knowledge, none of the tanks had been certified with a tank assessment by a professional engineer.

I concluded Circuit's records review at approximately 2:45 p.m., at which time I prepared for the closing conference.

Closing Conference

I sat down with Mr. Elamana and Mr. Thomas to discuss the records review and the site inspection. The following topics were discussed:

- 1. Container issues:
 - a. None of the containers (five) were labeled.
 - b. None of the containers (five) were dated.
 - c. Containers were not being inspected weekly.
- 2. Training: we talked about missing records, job titles, job description and training plan.
- 3. Tank issues:
 - a. None of the tanks were labeled with the words "Hazardous Waste" (all three).
 - b. Missing tank assessments (all three).
 - c. Missing daily tank inspections (for all three).
- 4. Missing Hazardous Waste Annual Reports for years 2012, 2013 and 2014.
- 5. Missing Hazardous Waste Manifests for calendar year 2013.
- 6. One hazardous waste manifest did not have the final TSDF signature (#014456038 JJK).

I thanked Mr. Elamana and Mr. Thomas for their time. I explained that a thorough review would be completed and a compliance determination would be forthcoming.

I completed the CEI at approximately 3:15 p.m. and departed the facility.

ATTACHMENTS: (2)

Attachment 1

Photographs taken during the inspection

Attachment 2

Inspection checklist

ADDENDUM:

On July 17, 2015, July 20, 2015 and July 23, 2015, Circuit provided the following via email correspondence:

- Copies of the Hazardous Waste Annual Reports for years 2012, 2013 and 2014.
- Copy of the Hazardous Waste manifest #014456038 JJK with the final TSDF signature.

• Copies of the Hazardous Waste Manifests for calendar year 2013. However, the manifests were without the final TSDF signature.

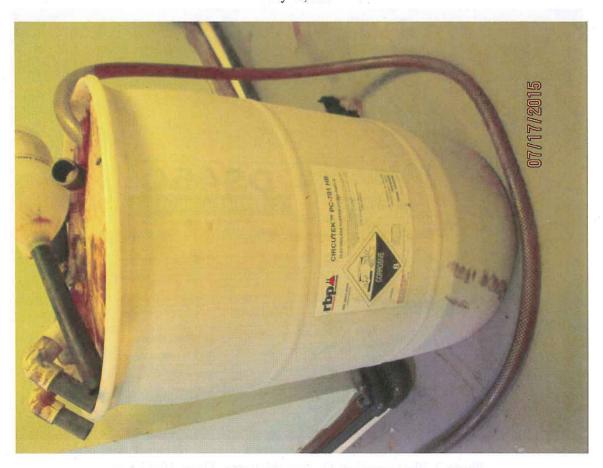


Photo 1. Photographer: G. Scambiatterra. Time: 10:43 a.m. Description: 55-gallon container of developer waste from the Developing Room

Attachment 1 Circuit Engineering, LLC-RCRA ID: ILD 074 367 251 July 17, 2015



Photo 2. Photographer: G. Scambiatterra. Time: 10:43 a.m. Description: Label of the Developer Solution used in the Developing Room

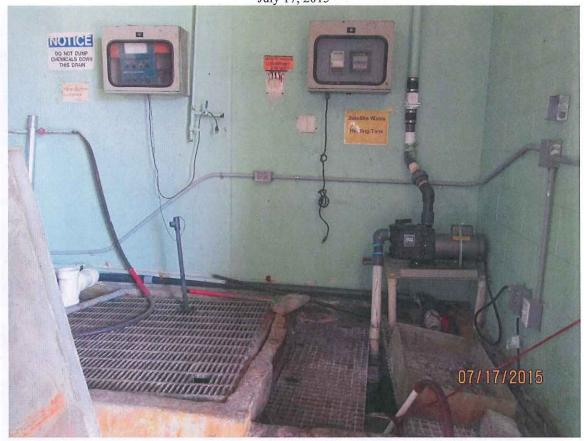


Photo 3. Photographer: G. Scambiatterra. Time: 11:15 a.m.

Description: Holding Tank Area used to collect corrosive plating bath rinses (right side) and the discharge area to the local MWRDGC (left side). This area used to be a WWTS before the facility removed the pre-treatment tanks



Photo 4. Photographer: G. Scambiatterra. Time: 11:16 a.m.

Description: Holding Tank Area used to collect corrosive plating bath rinses (right side) and the discharge area to the local MWRDGC (left side). This area used to be a WWTS before the facility removed the pre-treatment tanks

Attachment 1 Circuit Engineering, LLC-RCRA ID: ILD 074 367 251 July 17, 2015



Photo 5. Photographer: G. Scambiatterra. Time: 11:18 a.m. Description: Holding Tank Area used to collect corrosive plating bath rinses. Tank is approximately 3'X3' and was full. Area labeled "Satellite Waste Holding Tank."

Attachment 1 Circuit Engineering, LLC-RCRA ID: ILD 074 367 251 July 17, 2015

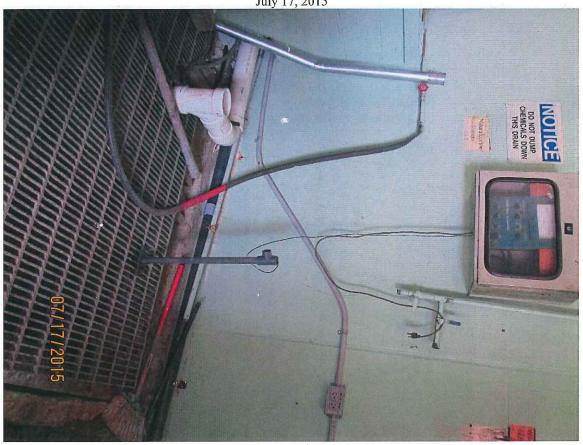


Photo 6. Photographer: G. Scambiatterra. Time: 11:21 a.m. Description: Holding Tank Area - discharge area to the local MWRDGC



Photo 7. Photographer: G. Scambiatterra. Time: 11:25 a.m.

Description: Hazardous Waste Storage Tank Area – tank labeled "Satellite Waste Holding Tank" and was at full capacity



Photo 8. Photographer: G. Scambiatterra. Time: 11:28 a.m.

Description: Hazardous Waste Storage Tank Area – tank not labeled and was at full capacity

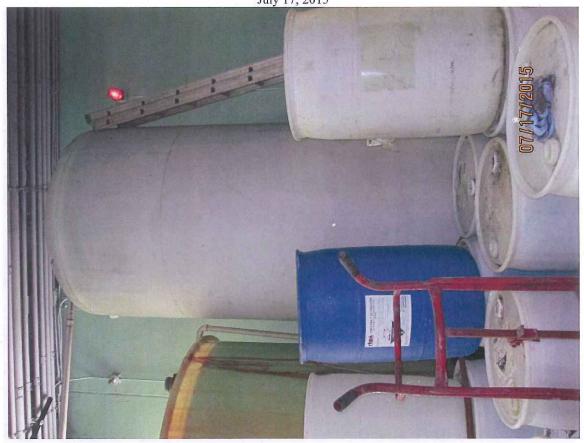


Photo 9. Photographer: G. Scambiatterra. Time: 11:28 a.m.

Description: Hazardous Waste Storage Tank Area – tank not labeled and was at full capacity (blinking red light indicates tanks are at full capacity, according to Mr.

Thorakkal)



Photo 10. Photographer: G. Scambiatterra. Time: 11:29 a.m.
Description: Hazardous Waste Storage Tank Area. Five 55-gallon containers had corrosive plating rinse waste. They were not labeled and were not dated. All five were full.



Photo 11. Photographer: G. Scambiatterra. Time: 11:29 a.m.
Description: Hazardous Waste Storage Tank Area. Five 55-gallon containers had corrosive plating rinse waste. They were not labeled and were not dated. All five were full.

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Location Address: 1390 Lunt Ave, Elk Grove Village, IL U.S. EPA Inspector:

Graciela Scambiatterra

EPA ID Number: ILD 074 367 251

Dogulation	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)	Violation
Regulation		
	PART 722: STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE (>1000 KG/MO.)	
	SUBPART A: GENERAL	
722.111	Section 722.111 Hazardous Waste Determination Has the generator correctly determined if the solid waste(s) it generates is a hazardous waste? Yes No N/A	***********
	Have hazardous wastes been identified for purposes of compliance with Part 728? Yes	722.111
808.121(a)	Has the generator correctly determined if the solid waste(s) it generates is a special waste? YesNoN/A	
	Section 722.112 USEPA Identification Numbers	808.121(a)
722.112(a)	Has the generator obtained a USEPA identification number? Yes No N/A	722.112(a)
		, , , , , , , , , , , , , , , , , , , ,
722.112(c)	Has the generator offered its hazardous waste only to transporters or to treatment, storage or disposal facilities that have a USEPA identification number?	722 112()
	Yes_	722.112(c)
	SUBPART B: THE MANIFEST	
	Section 722 120 Consuel Deguinements	
	Section 722.120 General Requirements Does the facility manifest its waste off-site?	
722.120(a)	Yes No N/A	
T20 100/10	Does the manifest designate a facility permitted to handle the waste?	722.120(a)
722.120(b)	Yes No N/A	
722.120(d)	Has the generator shipped any waste that could not be delivered to the designated facility?	722.120(b)
722.120(d)	Yes No N/A	
<u></u>		
	Section 722.121 Acquisition of Manifests	722.120(d)
	Has the generator used: - an Illinois manifest for wastes designated to a facility within Illinois?	
722.121(a)	Yes No N/A	722.121(a)
	- a manifest from the State to which the manifest is designated?	722.121(a)
722.121(b)	Yes	
	- an Illinois manifest if the State to which the waste is designated has no manifest of its own?	722.121(b)
	Yes	722.121(0)
	Section 722.122 Number of Copies	
722.122	Does the manifest consist of at least 6 copies? Yes No N/A	·722.122
	The state of the s	. / 22.122
	Section 722.123 Use of the Manifest For each manifest reviewed, has the generator:	
722.123(a)	- signed the certificate by hand?	
	Yes No N/A	
	- obtained the handwritten signature and the date of acceptance by the initial transporter?	722.123(a)
	Yes No N/A - retained one copy as required by Section 722.140(a)?	
	YesNoN/A	
	- apparently sent a copy (part 5 for the Illinois manifest) to the Agency within 2 working days?	
	Yes V No N/A	
722.123(b)	- has the generator apparently given the remaining copies to the transporter? Yes No N/A	722.123(b)
	Yes / No N/A	

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722.123(c)	- has the generator followed the procedures prescribed in Section 722.123 for manifesting bulk shipments of hazardous waste by rail or water?	
	Yes No N/A	722.123(c)
	SUBPART C: PRE-TRANSPORT REQUIREMENTS	722.125(0)
	Is there any hazardous waste ready for transport off-site? Yes No N/A	
722.130	Yes No N/A If so, is the generator complying with the pre-transport requirements in Subpart C? Yes No N/A	722.130
(722.134(a))	Section 722.134 Accumulation Time Has the generator complied with the following requirements:	
(122.75 ((2))	Yes No N/A	······································
(722.134(a)(1))	A) For waste in containers, has the generator complied with the requirements of Part 725, Subpart I, AA, BB, and CC?	
	Yes No N/A	
	and/or B) For waste in tanks, has the generator complied with the requirements of Part 725, Subpart J, AA, BB, and CC (except Sections 725.297(c) and 725.300)?	
	CC (except Sections 725.297(c) and 725.300)? Yes No N/A and/or	
	C) For waste on drip pads, has the generator complied with the requirements of Part 725, Subpart W and	
-	maintained the required records identified in this subsection? YesNoN/A	
	and/or D) For waste in containment buildings, has the generator complied with Part 725, Subpart DD and maintained the required records identified in this subsection? Yes No N/A	
·		
(722.134(a)(2))	For waste in containers, has the generator marked and made visible for inspection on each container, the date upon which accumulation began? YesNoN/A	
(722.134(a)(3))	For waste in containers and tanks, has the generator marked or labeled each with the words "Hazardous Waste"?	
	Yes No N/A	
(722.134(a)(4))	Has the generator complied with the requirements of Part 725, Subparts C and D, and Sections 725.116 and 728.107(a)(4)?	i
	Yes No N/A	
•	Specifically, the requirements of items 1 and/or 4 above (listed by regulation) which need to be complied with are as follows:	
	Does the facility accumulate hazardous waste in containers? Yes No N/A	
	If "No", go to Subpart J.	
	SUBPART I: USE AND MANAGEMENT OF CONTAINERS	
	Has the generator closed an accumulation area?	725.211
(725.211) (725.214)	Yes No N/A If "Yes", was the accumulation area closed in accordance with Sections 725.211 and 725.214? Ves No N/A	725.214
	Yes No N/A	

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Regulation	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)	Violation				
(725.271)	If the containers have leaked or are in poor condition, has the owner/operator transferred the hazardous waste to a suitable container?					
(725.272)	YesNoN/A Is the waste compatible with the container and/or liner? YesNoN/A					
(725.273(a))	Are containers of hazardous waste always closed except to remove or add waste during accumulation? Yes No N/A					
(725.273(b))	Are containers of hazardous waste being opened, handled, or stored in a manner which will prevent the rupture of the container or prevent it from leaking? Yes No N/A					
(725.274)	Is the owner/operator inspecting the accumulation area(s) at least weekly, looking for leaks or deterioration? Yes No N/A Is the accumulation area free from any evidence of leaking or deteriorating containers? (See also Section 725.131) Yes No N/A					
(725.276)	Are containers holding ignitable or reactive wastes located at least 15 meters (50 feet) from the facility's property line? Yes No N/A Note: See Section 725.117(a) for additional requirements for ignitable, reactive or incompatible wastes.					
(725.277)	Is the owner/operator complying with the requirements concerning incompatible wastes? Yes No N/A COMMENTS:					
(725.278)	Section 725.278 Air Emission Standards Is the owner or operator managing all hazardous waste placed in containers in accordance with Subparts AA, BB and CC of Part 725? Yes No N/A Comments: Does the generator accumulate and/or treat hazardous waste in tanks? Yes No N/A Yes No N/A					
(725.211) (725.214)	SUBPART J: TANK SYSTEMS Has the generator closed an accumulation area? YesNoN/A If "Yes", was the accumulation area closed in accordance with Sections 725.211 and 725.214? YesNoN/A	725.211 725.214				

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	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)	Violation
Regulation		
(725.290)	Does the facility accumulate or treat hazardous waste in tanks? Yes	
	Note: A generator may treat hazardous waste in a tank for less than 90 days without a RCRA permit.	
	If "No", skip Subpart J.	
	 a) Tank systems that are used to accumulate or treat hazardous waste which contains no free liquids (using the Paint Filter Liquids Test) and that are situated inside a building with an impermeable floor are exempted from the requirements in Section 725.293. b) Tank systems, including sumps, that serve as part of a secondary containment system to collect or controller releases of hazardous wastes are exempted from the requirements in Section 725.293(a). c) Tanks, sumps and other collection devices used in conjunction with drip pads (as defined in Section 720.110) and regulated under Subpart W, must meet the requirements of this Subpart. 	
(725.291(a))	For tanks existing prior to July 14, 1986 (see definition of tank system under 720.110) and not protected be secondary containment system, has a written assessment been reviewed and certified by an IRPE(*) in accordance with Section 702.126(d) by January 12, 1988 [except as provided in Section 725.291(c)]? Yes No N/A	уа
(725.291(b))	Does this assessment consider at least the following:	No
	design standards for the tank and ancillary equipment? /	T V
	Yes No N/A	Tank Assessment
	Yes No N/A_ \(\)	Assessmen
	3) existing corrosion protection measures? Yes No N/A	
	4) documented age of the tank system?	
	Yes No N/A	
	(2) Testitis of a reak test, internal inspection, of other tank integrity examination:	
	Yes No N/A	
	*IRPE = Independent Registered Professional Engineer	
	IN E Mucpentant Registered Frotessional Engineer	
(725.291(c))	Has a tank system assessment been performed within 12 months after the materials in the tank become a hazardous waste?	
(725.291(c))	Has a tank system assessment been performed within 12 months after the materials in the tank become a	

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Regulation	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)	Violation
(725.292(a))	For new tanks (see definition of new tanks under Section 720.110) whose installation commenced after 07/14/86, has a written assessment been reviewed and certified by an IRPE in accordance with Section 702.126(d) prior to operation of the tank system?	
	Yes No N/A	
		No tank Assessment
	Yes No N/A 2) hazardous characteristics of the waste(s) to be handled? Yes No N/A	Tank
	Yes No N/A 3) evaluation of potential for corrosion and corrosion protection measures for tank systems with metal components in contact with soil or water?	Assessmen
	YesNo N/A	
	4) design or operational measures that will protect underground tank systems from potential damage resulting from vehicular traffic?	
	Yes No N/A	
	5) designs to ensure adequate foundations, anchoring to prevent flotation or dislodgment and the ability to withstand the effects of frost heave?	
	YesNoN/A	
725.292(g))	Has the owner/operator obtained and kept on file at the facility the written statements, including the certification statements [as required in Section 702.126(d)] of the design and installation requirements of Subsections (b) through (f)? Yes	
(725.293(a))	Is secondary containment provided for any new tank system before being put into service? Yes No N/A	
	Does an existing tank, used to accumulate F020, F021, F022, F023, F026 or F027 waste(s), have secondary containment by 1/12/89?	M. S.
	Yes No N/A	1 3 m
	For an existing tank of documentable age, is secondary containment provided by 1/12/89 or when the tank is 15 years old, whichever is later?	K. L.
	Yes NoN/A	18 CM
	For an existing tank of undocumentable age, has secondary containment been provided by 1/12/95? Yes No N/A	X D
	or if the facility is older than 7 years, by the time the facility reaches 15 years of age or 1/12/89, whichever is later?	
	Yes No N/A	
	For tanks that accumulate wastes that become hazardous after 1/12/87, has secondary containment been provided within the time intervals required in Subsections (a)(1) through (a)(4) substituting the date that a material becomes a hazardous waste for 1/12/87?	
	Yes No N/A	
(725.293(b))	Is the secondary containment system designed, installed and operated to prevent migration of wastes or accumulated liquid out of the system at any time?	V
	Yes No N/A	
	Is the secondary containment system capable of detecting and collecting releases and accumulated liquids until the collected material is removed?	
	Yes No N/A	Ī

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Regulation	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)	Violation
~		
(725.293(c))	To meet the requirements of Subsection (b), is the secondary containment system:	
•	1) compatible with the waste(s) in the tank and of sufficient strength and thickness to prevent failure? Yes No N/A	
	2) placed on a foundation or base capable of providing support, providing resistance to pressure	
	gradients and preventing failure due to settlement, compression of uplift?	1 . * . 2
	Yes No N/A	01/1
	3) provided with a leak detection system designed and operated to detect any release or accumulated liquid within 24 hours?	S & S
	Yes No N/A	3 2
	4) sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills or	Thoshert Thomashert
	precipitation?	77.5
	Yes No N/A	1,1,
	and is spilled or leaked waste and accumulated precipitation removed from the secondary containment within 24 hours?	,
	Yes No N/A	
	Note: A RCRA permit may allow for removal of liquids less frequently than 24 hours after accumulation.	
725.293(d))	Does the secondary containment for tanks have one or more of the following:	
	1) a liner (external to the tank); or	1 1
	2) a vault; or	
	3) a double-walled tank; or	
•	4) an equivalent device (approved by the Board)? Yes No N/A	
725.293(e))	10510011//A	
123.233(0))	Does the external liner system(s), vault system(s) and/or double-walled tank(s) meet the additional	
•	requirements identified in Section 725.293(e)?	
	Yes No N/A	· ·
725.293(f))	Is ancillary equipment protected by secondary containment that meets the requirement of Subsection (h) and	
•	(c)?	
	Yes No N/A	
	If "No":	}
	1) Is aboveground piping (exclusive of flanges, joints, valves and connections) inspected daily?	
	Yes No N/A	}
	Are welded flanges, joints and connections inspected daily? Yes No N/A	
	3) Are sealless or magnetic coupling pumps and sealless valves inspected daily?	
	Yes No N/A	
	4) Are pressurized aboveground piping systems with automatic shut-off devices inspected daily?	
	Yes No N/A	
725.293(i))	Until such time as secondary containment is provided, are the following requirements being met for all tank systems:	
	1) For non-enterable underground tanks, has an annual leak test that meets the requirements of 725.291(b)(5) been conducted?	
	YesNoN/A	
	2) For other than non-enterable underground tanks and ancillary equipment, has an annual leak test, internal inspection or other tank integrity examination by an IRPE been conducted?	,
•	Yes No N/A	
	3) Are written records maintained at the facility to document the assessments required under	
	Subsections (i)(1) and (i)(2)?	
	Yes No N/A	
	Note: If a tank system is found to be leaking or unfit for use as a result of a leak test or assessment, the owner/operator must comply with Section 725.296.	

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Regulation	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)	Violation
(725.294(a))	Has the owner/operator placed hazardous wastes or treatment reagents in the tank system that could cause the system to rupture, leak, corrode or otherwise fail?	, .
	Yes No N/A	<u> </u>
(725.294(b))	Do tanks and secondary containment have appropriate controls and practices to prevent spills and overflows including: 1) spill prevention controls? YesNoN/A	Insulation In
	2) overfill prevention controls? Yes No N/A	Zuzo.
	3) sufficient freeboard in uncovered tanks? Yes No N/A	
(725.294(c))	Note: If a leak or spill has occurred in the tank system, the owner/operator shall comply with the requirements of Section 725.296.	4
(725.295(a))	Does the owner/operator inspect, if present, at least each operating day, the following: 1) overfill/spill control equipment? Yes No N/A	
	Yes No N/A 2) the aboveground portion of the tank system for corrosion or releases? Yes No N/A	
	3) data from monitoring equipment? Yes No N/A	
	4) the construction materials and the area immediately surrounding the external portion of the system? Yes No N/A	
(725.295(b))	If the tank system has cathodic protection, is the owner/operator complying with Section 725.295(b) to ensure that they are functioning properly?	
	Yes No N/A	
(725.295(c))	Does the owner/operator document in the operating record, the results of tank inspections as required in Section 725.295(a) and (b)?	
	Yes No N/A	
(725.296)	If the tank system or secondary containment system has a leak or spill or is unfit for use, has the owner/operator: a) immediately ceased using; prevented flow or addition of waste and inspected the system to determine the cause of the release?	Sour S
	YesNoN/A	"?\ \\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	b) removed applicable waste from the system within 24 hours of detection?	Insul Brings
	c) immediately conducted a visual inspection of the release and taken actions to contain visible releases to the environment, prevented further migration to soils or surface water and removed and properly disposed of any contaminated soil or water?	J. J.
	Yes No N/A	\
(725.296(d))	d) notified the Agency within 24 hours of detection of release? Yes No N/A	
	d)3) within 30 days of detection of release, submitted a report to the Agency that complies with the requirements of Section 725.296(d)(3)? Yes No N/A	
	Note: Notification and reports are not necessary if less than 1 pound of material is spilled and it was immediately contained and cleaned up.	

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(725.296(e))	e) repaired the tank system prior to returning the occurred from the primary tank system into t	he secondary containment	system?		
	Yes_ e)4) provided secondary containment before return	No ning a tank system to service	N/Ae in the event that the release		
	was from a component of a tank system with Yes	out secondary containment? No	N/A	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	
	e)4) met the requirements for a new tank system in Yes	the event that a componen No	t is replaced during repair? N/A	Shive' in	
	e)4) provided the entire component with secondar that a leak has occurred in any portion of a conspection?	y containment prior to being		Tradicionalio	
:		No	N/A	Zuc,	
(725.296(f))	f) In the event that an extensive repair has been to the Agency within 7 days after returning that the repaired system is capable of handling of the system?	ne tank system to use, a cert	ification by an IRPE stating		
	<u> </u>	No	N/A		
	Note: If the owner/operator does not satisfy the requester must be closed in accordance with Se		(2) through (e)(4), the tank		
(725.297(a))	At the time of closure of a tank system, has the owner/contaminated components, contaminated soils and structure waste [unless Section 721.103(d) applies]?				
		No	N/A		
(725.297(a))	Have the closure plan, closure activities, cost estimates for closure and financial responsibility for tank systems met all requirements specified in Subparts G and H?				
	Yes_	No	N/A		
(725.297(b))	If the tank system cannot be "clean" closed, has the ow post-closure care in accordance with the closure and po (Section 725.410)?				
		No	N/A		
	Note: Such a tank system is considered a landfill an specified in Subparts G and H.	d must meet all of the requi	rements of landfills		
(725.298(a))	Are ignitable or reactive wastes placed in a tank system				
	Yes_	No	N/A	V	
	If "No", skip to Section 725.299.				
	Is the waste treated, rendered or mixed before or immedute resulting waste, mixture or dissolved mate	erial is no longer ignitable o	r reactive?		
	Yes Section 725.117(b) is complied with?	No	N/A		
	Yes_	No	N/A		
	or Is the waste accumulated or treated so that it is protected from any material or conditions which may lead to ignition or reaction?				
	Yes_	No	N/A		
	or Is the tank used solely for emergencies?		·	•	
	Yes_	No	N/A		

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Regulation	RCRA GENERATOR INS	Violation				
(725.298(b))	Is the facility complying with the requirements regarding maintenance of protective distances between the waste management area and any public ways, streets, alleys or any adjoining property line? YesNoN/A					
(725.299)	Are incompatible wastes/materials placed in the	same tank? Yes	No		Insulticular	
	If "No", skip to Section 725.300.				They who	
	Is Section 725.117(b) being complied with?	Yes	No	N/A	Troper	
	Has the tank system been properly decontaminal Section 725.117(b) is complied with?	ted if it previously Yes		•	\	
	COMMENTS:				₩	
(725.302)	Section 725.302 Air Emission Standards Is the owner or operator managing all bazardous and CC of Part 725?	_				
	Comments:	Yes	No	N/A		
(725.131)	SUBPART C: PREPAREDNESS AND I					
	Is the facility being operated and maintained to hazardous waste or hazardous waste constituents					
(725.132)	Is the facility equipped with the following, if nee a) an internal communication or alarm sy	cessary: estem(s)?	No	N/A		
	b) a telephone or other device to summonc) portable fire extinguishers, fire control	emergency assis Yes	tance from local No	authorities? N/A		
	equipment?	Yes	No	_ N/A		
	d) water at adequate volume and pressure	for fire control? Yes	No	N/A	·	
(725.133)	Is the facility testing and maintaining communic equipment and decontamination equipment?	,	m(s), fire protect			
(725.134)	Where hazardous waste is being handled, d other emergency communication device?	o all employees h	ave immediate a	ccess to an internal alarm or		
	b) If there is ever just one employee on the pre immediate access to a device capable of sur	emises when the f	acility is operation	ng, does he/she have stance?		
(725.135)	Is the facility maintaining adequate aisle space?	Yes_ /	· No	N/A		

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Regulation	RCRA GENERATOR INSPECTION CHECKLIST (PART 722) ation				
(725.137)	Has the facility attempted to make the following arrangements, as appropriate, for the type of facility and waste: - arrangements with local emergency authorities (i.e. police and fire departments, other emergency response agencies) to familiarize them with the layout of the facility, properties of hazardous waste handled, places where facility personnel would be working, entrances to roads inside the facility and evacuation routes? Yes No N/A - agreements designating the primary authority where more than one police or fire department might respond? Yes No N/A - agreements with State emergency response teams contractors and equipment suppliers? Yes No N/A - arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the type of injuries or illnesses which could result from fires, explosions or releases at the facility? Yes No N/A				
	SUBPART D: CONTINGENCY PLAN AND EMERGENCY PROCEDURES				
(725.151(a))	Is the contingency plan available? Yes No N/A If "No", skip to Section 725.155. Is the plan designed to protect human health and the environment from releases to the air, soil and water? Yes No N/A				
(725.151(b))	Has there been a fire, explosion or release of hazardous waste? Yes No N/A If "Yes", has the contingency plan been carried out immediately? Yes No N/A				
(725.152(a))	Does the plan describe the actions required for response to: - fires? Yes No N/A - explosions? Yes No N/A - releases? Yes No N/A	·			
(725.152(c))	Does the plan describe arrangements with: - police and fire departments? Yes No N/A - hospitals? Yes No N/A - contractors? Yes No N/A - emergency response teams? Yes No N/A				
(725.152(d)	Does the plan contain the current emergency coordinator's grame, phone (office and home) and address? Yes No N/A				
(725.152(e))	Does the plan identify all emergency equipment including: - description? Yes No N/A - capability? Yes No N/A - location? Yes No N/A Is the list of emergency equipment up-to-date? Yes No N/A No N/A				
(725.152(f))	Does the plan include: - an evacuation plan? Yes No N/A N/A No N/A N/A No N/A NA No N/A N/A No N/A N/A No N/A No N/A No N/A No N/A No N/A N/A NO N/A N/A NO N/A				

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	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)				
Regulation					
(725.153)	Has the contingency plan (including all revisions) been: a) maintained at the facility? Yes No N/A b) submitted to: - police department? Yes No N/A - fire department? Yes No N/A - hospital? Yes No N/A - emergency response teams? Yes No N/A				
(725.154)	Has the contingency plan been reviewed and revised whenever: a) regulations are revised? Yes No N/A b) the plan fails in an emergency? Yes No N/A c) the facility changes in a way that modifies the emergency response necessary? Yes No N/A d) information regarding emergency coordinators changes? Yes No N/A e) information regarding equipment changes? Yes No N/A				
(725.155)	Is the emergency coordinator on-site or on call at all times? Yes No N/A Is the emergency coordinator familiar with all facility activities, wastes, records, layout and contingency plan? Yes No N/A Does the emergency coordinator have the authority to commit the resources needed to carry out the actions specified in the contingency plan? Yes No N/A				
(725.156)	If the facility has had a release, fire or explosion, have the procedures of this Section been followed regarding assessment, response and reporting? YesNoN/A				
	Note: If the facility has had a release, explain in detail.				

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	RCRA GENERATOR INSPECTION CHECKLIST (PART 722)					Violation
Regulation						
(725.116(a))	Section 725	5.116 Personnel Training				
		lity have a training program?			•	
			Yes	No	N/A	
		personnel successfully compleir duties in a way that ensure				m
	1		Yes	No	N/A	
	Is the program	m directed by a person trained	in hazardous waste Yes			0000
		gram teach facility personnel hentation) relevant to the position	azardous waste ma		res (including contingency	Selveran
			Yes		N/A	Vr 106
	- pro	gram cover, at a minimum: cedures to familiarize facility	personnel with eme	rgency procedures,	emergency equipment and	Lax
	em	ergency systems?			224	
		andress for union improvition.	Yes	No	N/A	
		cedures for using, inspecting, a sipment?	repairing and replac	cing facility emerge	ency and monitoring	
			Yes	No	N/A	
	- key	parameters for automatic was			27/4	
	200	amunications on alarm systems	Yes	_ No	N/A	
		nmunications or alarm systems couse to fire or explosions?	Yes	No	N/A	
		_	Yes	No	N/A	
		oonse to groundwater contamin	nation incidents? Yes	No	N/A	
	- shut	tdown of operations?	Yes	No	N/A	
(725.116(b))	ITaria many ann	uployees completed the progra		of the data of small		
(723.110(0))		iring them to manage hazardo		of the date of empi	dynicht of assignment to a	1
	position requ	ting them to manage meanto	Yes	No	N/A	
(E05.116(.))					<u> </u>	
(725.116(c))	Have facility	personnel received an annual		-	NI/A	
			Yes	No	N/A	
(725.116(d))	1) the	wing documents and records b job title for each position related ployee(s) filling each job?			nd the name(s) of the	
	GILI	proyec(s) mining each jour	Yes	No	N/A	
		ritten job description for each difications and duties of perso	position above, inc	luding the requisite	MARKET CHARLES AND COLUMN TO A SECOND COLUMN TO A S	
			Yes_	No	N/A	
		ritten description of the type a each person filling a position d	lealing with hazarde	ous waste managen	nent?	1
		ords documenting that the train sonnel?	Yes ning or job experien	No nce has been given	N/A to and completed by facility	
			Yes	No	N/A	
(725.116(e))		maintaining training records to the last date of employm				
e	least 3 years I	a om me rast uate of employm	Yes	No	N/A	
		•	1 03	, , , vo	11/17	

Location Address: 1390 Lunt Ave, Elk Grove Village, IL U.S. EPA Inspector: Graciela Scambiatterra **EPA ID Number:** ILD 074 367 251

Regulation	RCRA GENERATOI	R INSPECTION	CHECKLIST ((PART 722)	Violation
728.107(a)(5))	Section 728.107 Waste Analysis an Has the generator who treats a prohibited developed and followed a waste analysis	waste in tanks or cor	ntainers in order to u	neet the treatment standards	
	ls the plan on-site?	Yes	No	*	
	Does the plan include a detailed physical	Yesand chemical analysis	No s? No	N/A	·
	Has the plan been filed with the Agency a	W-014			
	Has the generator submitted the required when the waste is shipped off-site?		*	/	
		Yes	No	N/A V	
22.134(c)	Is the generator who accumulates hazardo accumulate and which is under the control accumulation to 55 gallons of hazardous 725.271, 725.272 and 725.273(a), and moved identifying the contents?	ous waste at or near a ol of the operator of the waste or 1 quart of an arking the containers	ne process generating cutely hazardous wa with the words "Haz	g the waste, limiting such ste, complying with Sections ardous Waste" or other	
		Yes	No	N/A	
	Has the generator who accumulates more waste complied with the requirements of			s?/	
	If there are more than 55 gallons of hazar accumulation area, are the containers man	dous waste or 1 quar	t of acutely hazardo		
	During the 3 day period, is the generator with respect to the excess waste?			nts of Section 722.134(c)(1)	
22.134(g)	Note: A generator that generates 1,000 also generates wastewater treat description for the hazardous w	0 kilograms or greate ment sludges from el vaste code F006 may	r of hazardous waste	per calendar month which ns that meet the listing	
	conditions of 722.134(g), (h), of SUBPART D: RECORDKEEPIN		ΓING	· · · · · · · · · · · · · · · · · · ·	
22.140(a)	Section 722.140 Recordkeeping Has the generator retained for a period of			,	
	- a copy of each signed manifest?	Yes	$_{ m No}$	N/A	722.140(a)
22.140(b)	Has the generator retained a copy of each Annual Report and Exception Report for a period of at least three				
	years from the due date of the report (Ma	Yes		N/A	722.140(b)
22.140(c)	Has the generator retained for a period of 3 years: - copies of test results, waste analyses or other determinations made in accordance with Section 722.111?				
		Yes	No	. N/A	722.140(c)
22.140(d)	Does a generator who is involved in any unresolved enforcement action or as requested by the Director continue to maintain the records required in subsections a) and c)?				
	continue to maintain the records required	i in subsections a) an	a c)?	/	

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Regulation	RCRA GENERATOR INSPECTION CHECKLIST (PART 722) Section 722.141 Annual Reporting Has the generator who ships hazardous waste off-site for treatment, storage or disposal filed an annual report with the Agency by March 1 for the preceding calendar year Yes				
722.141(a)					
	Note: If "No", or if deficiencies are noted with the annual report reviewed, contact the Planning and Reporting Section.	722.141(a)			
722.141(b)	Has the generator who treats, stores or disposes of hazardous waste on-site, filed an annual report with the Agency by March 1 for the preceding calendar year? YesNoN/A	702.141(1.)			
722.142(a)(1)	Section 722.142 Exception Reporting If the generator has not received a copy of the manifest from the TSD facility within 35 days of the date of delivery to the transporter, has the generator contacted the transporter or the TSD facility to determine the status of the hazardous waste?	722.141(b)			
	Yes NoN/A	722.142(a)(1)			
722.142(a)(2)	If the generator has not received a copy of the signed manifest within 45 days of the date of delivery to the transporter, has he filed an exception report with the Agency in accordance with the requirements of this Section? Yes				
722.143	Section 722.143 Additional Reporting Has the generator furnished additional reports as required by the Director? Yes No N/A	722.142(a)(2) 722.143			
722.150	SUBPART E: EXPORTS OF HAZARDOUS WASTE Is the generator an exporter of hazardous waste? Yes No N/A If "Yes", has the generator complied with the requirements of Subpart E? Yes No N/A	722.150			
	Yes No N/A U SUBPART F: IMPORTS OF HAZARDOUS WASTE				
722.160	Is the generator an importer of hazardous waste? Yes No N/A If "Yes", has the generator complied with the requirements of Subpart F? Yes No N/A	722.160			
	SUBPART G: FARMERS	722.170			
722.170	Is the generator a farmer? YesNoN/A If "Yes", has the generator complied with the requirements of Subpart G? YesNoN/A				